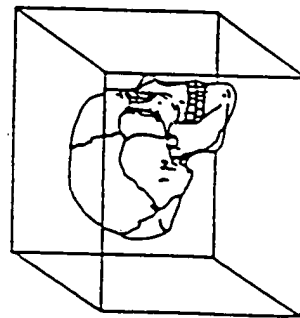
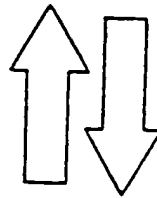


FIG. 1  
PRIOR ART



PRE-SURGICAL SCANS  
(IMAGE DATASET)



REGISTRATION



POSITION IN  
SURGERY

FIG. 2A

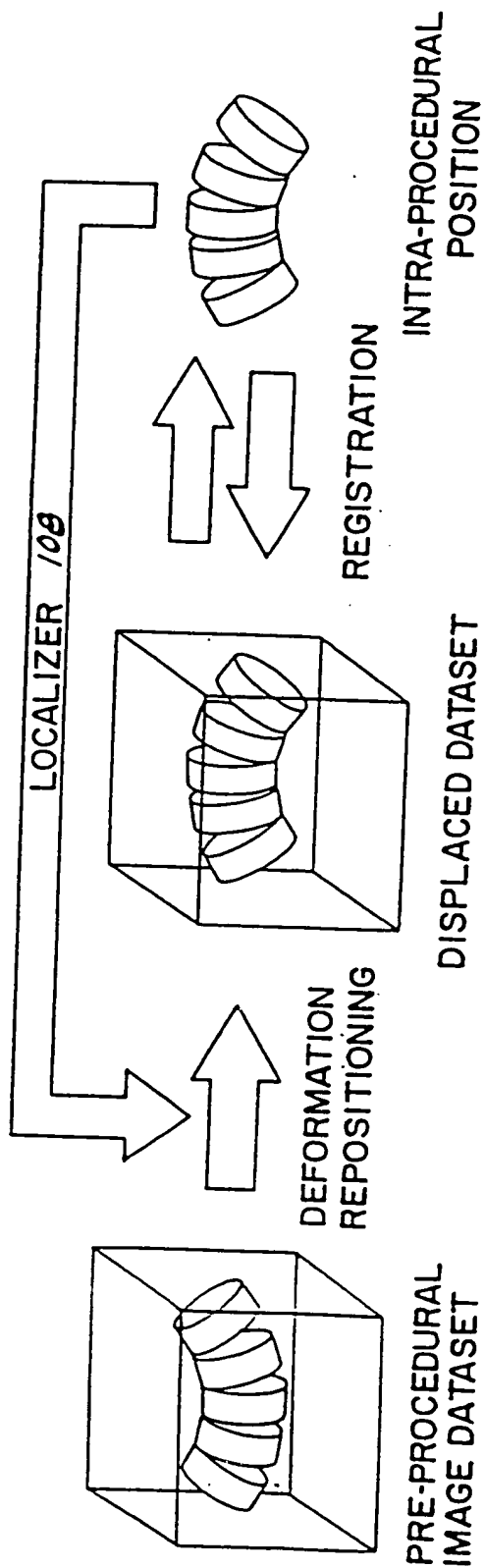


FIG. 2A: 3482230

FIG. 2B

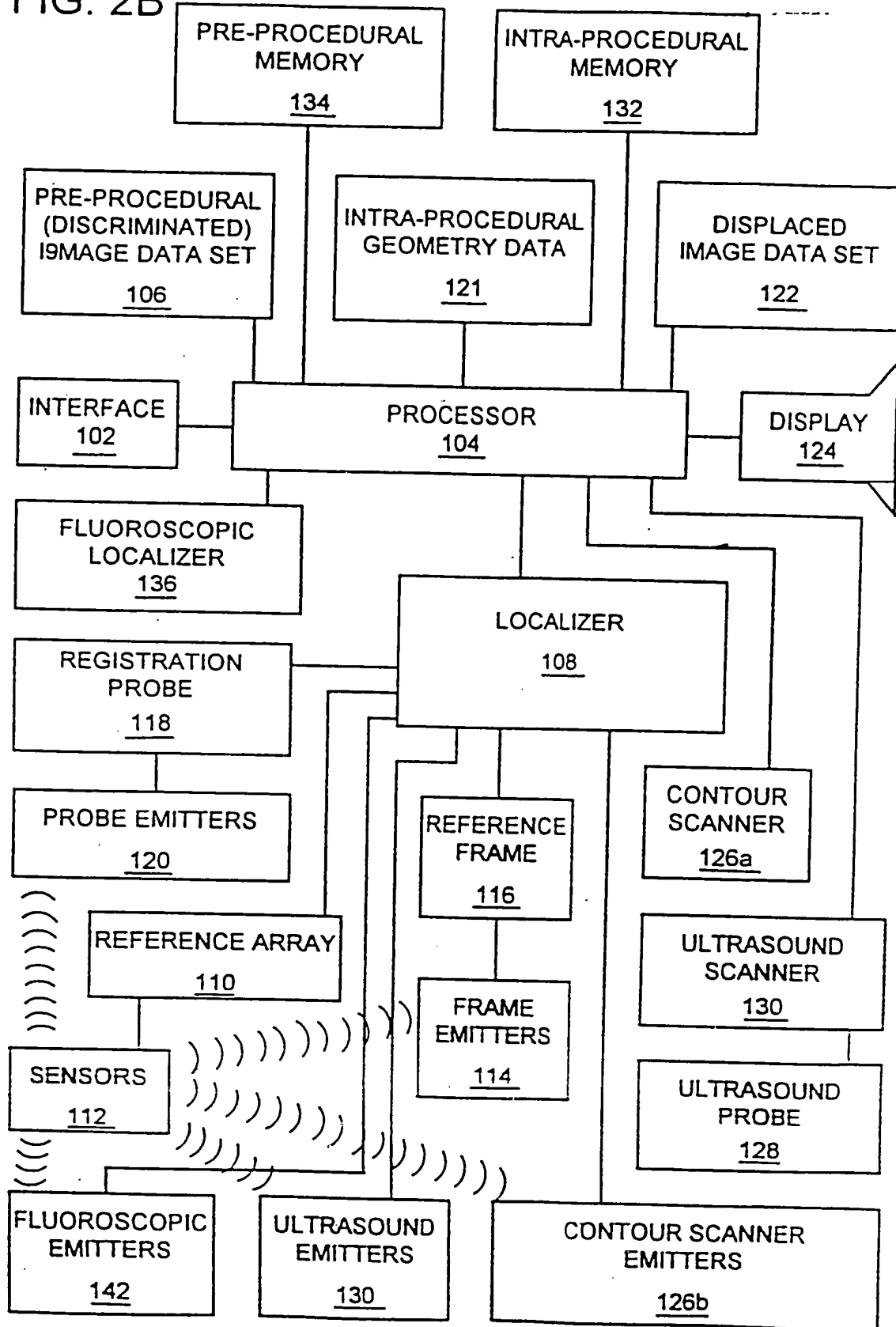


FIG. 3

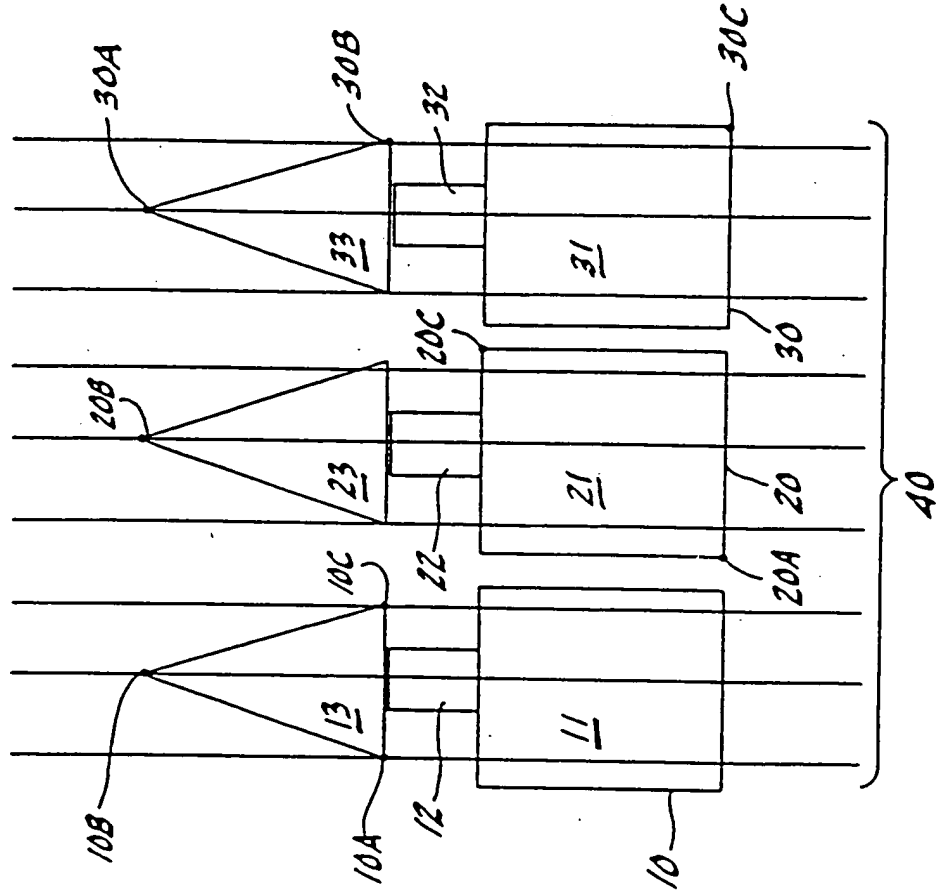


FIG. 4

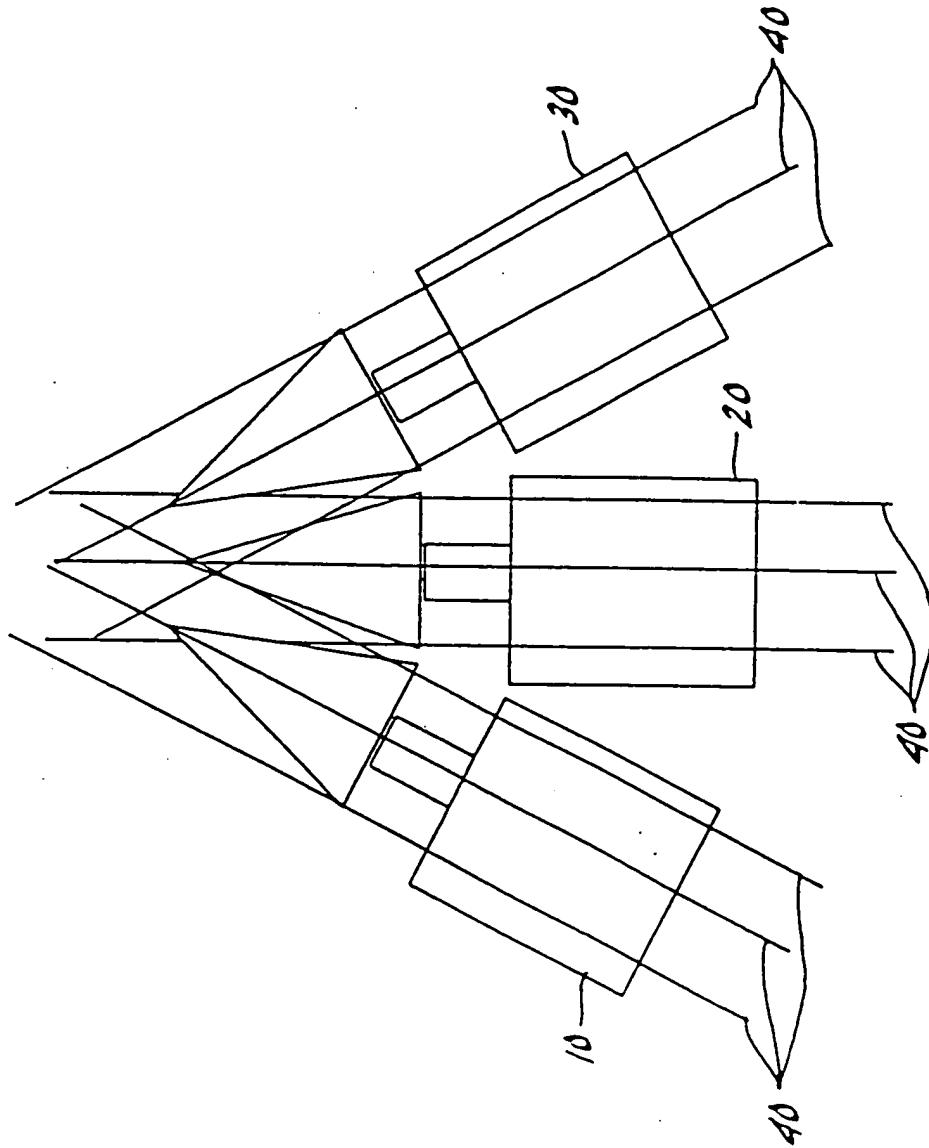


FIG. 5

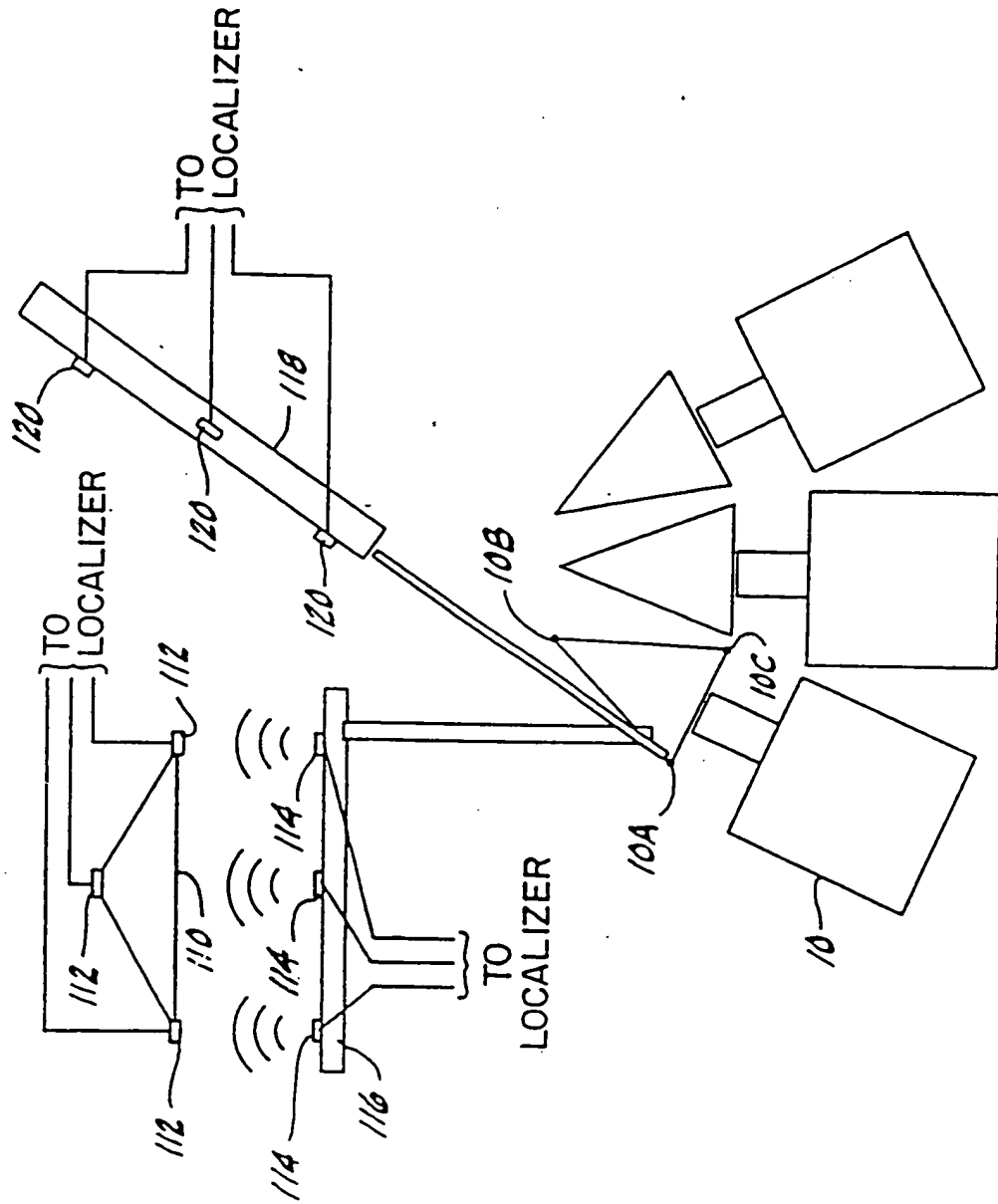
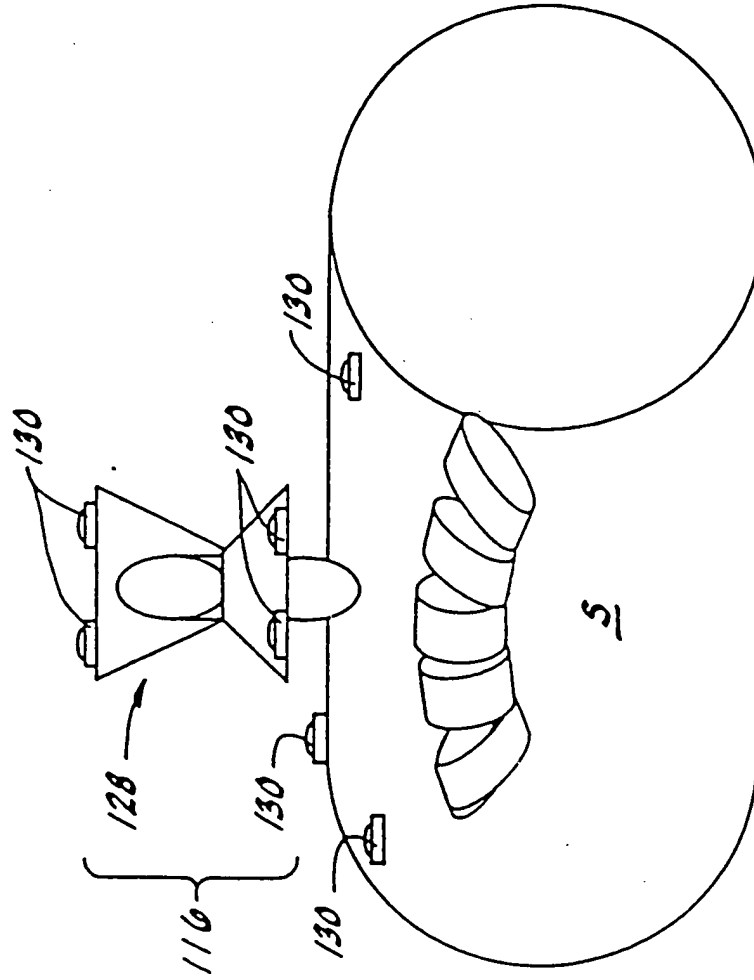


FIG. 6



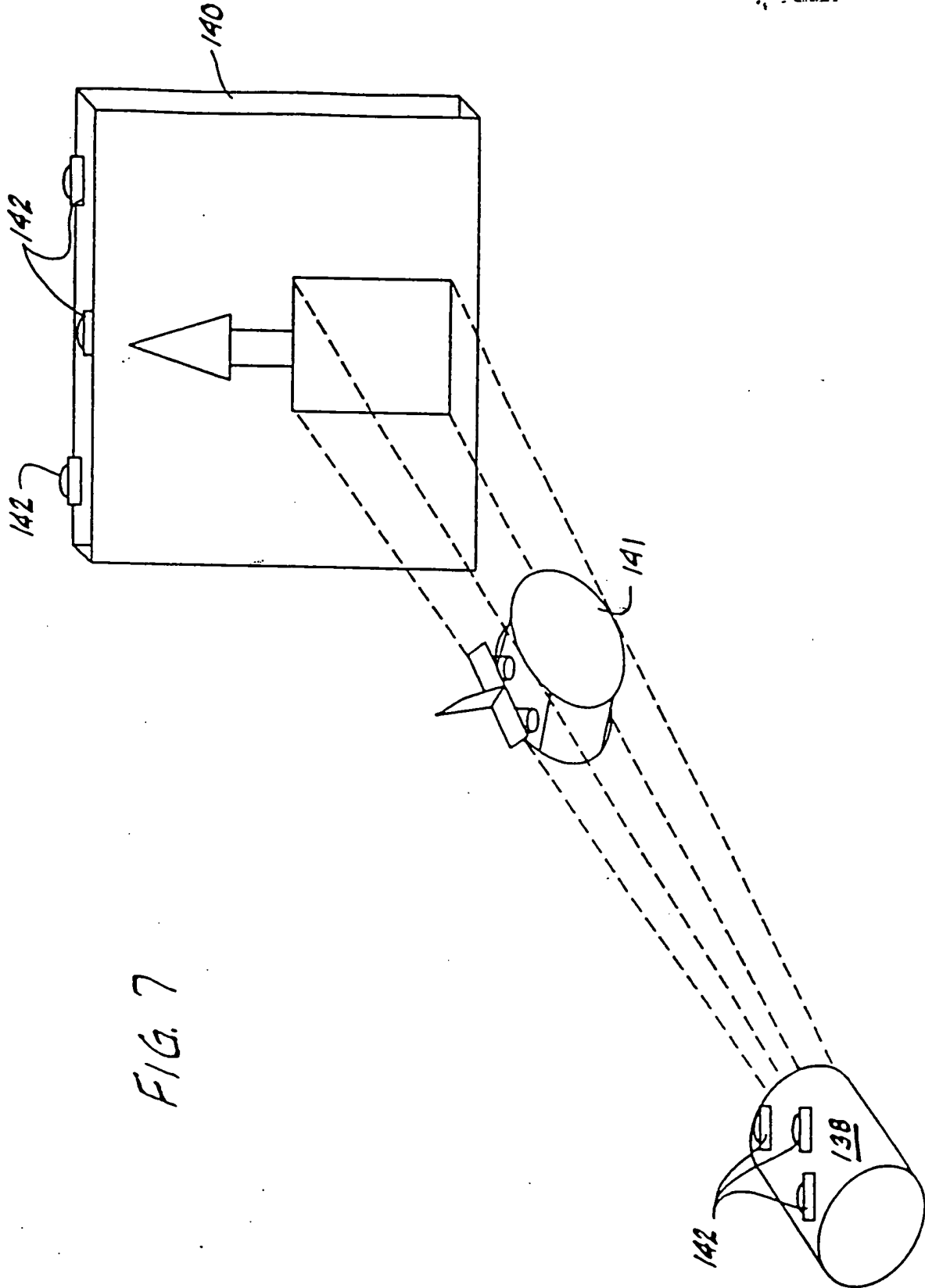




FIG. 8

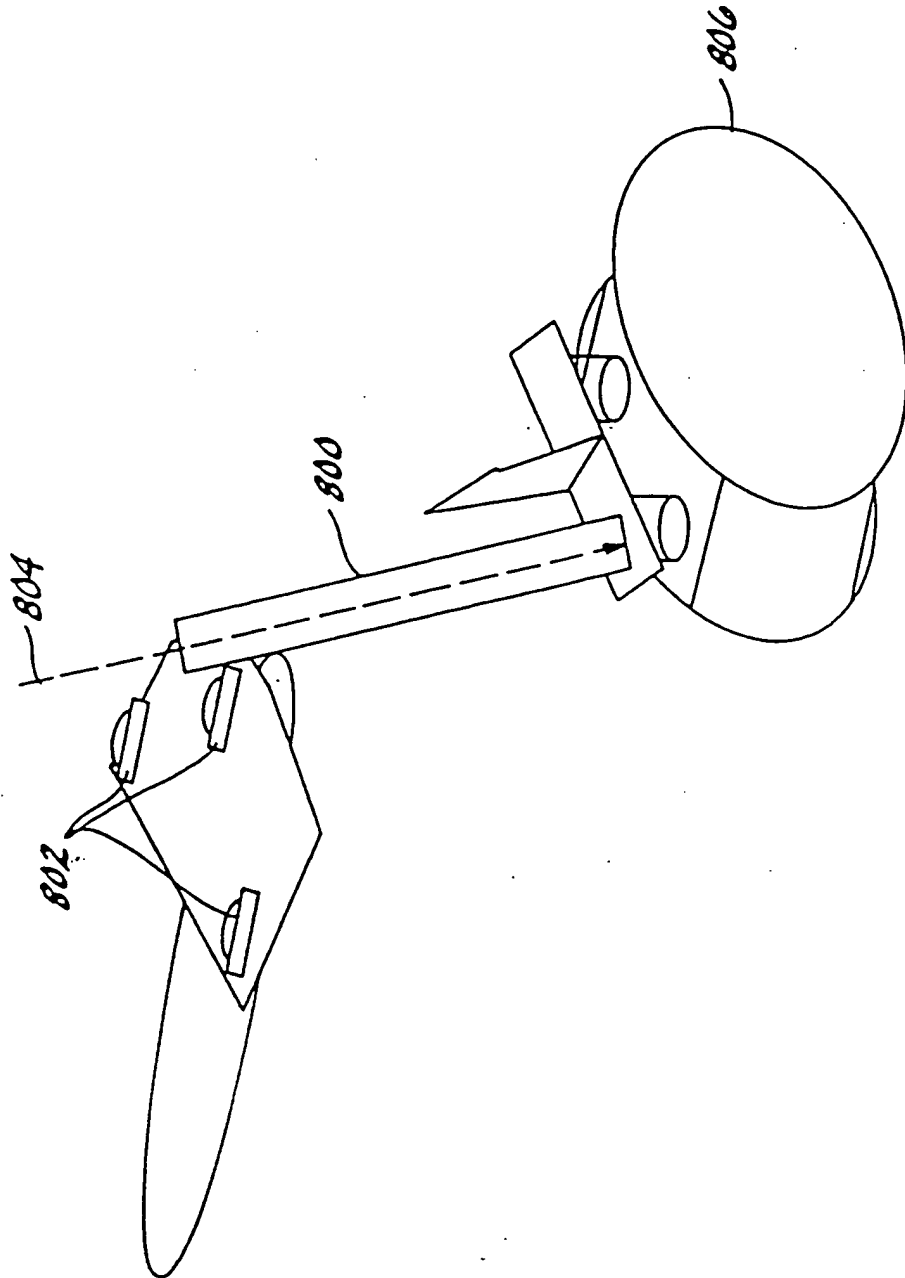


FIG. 9

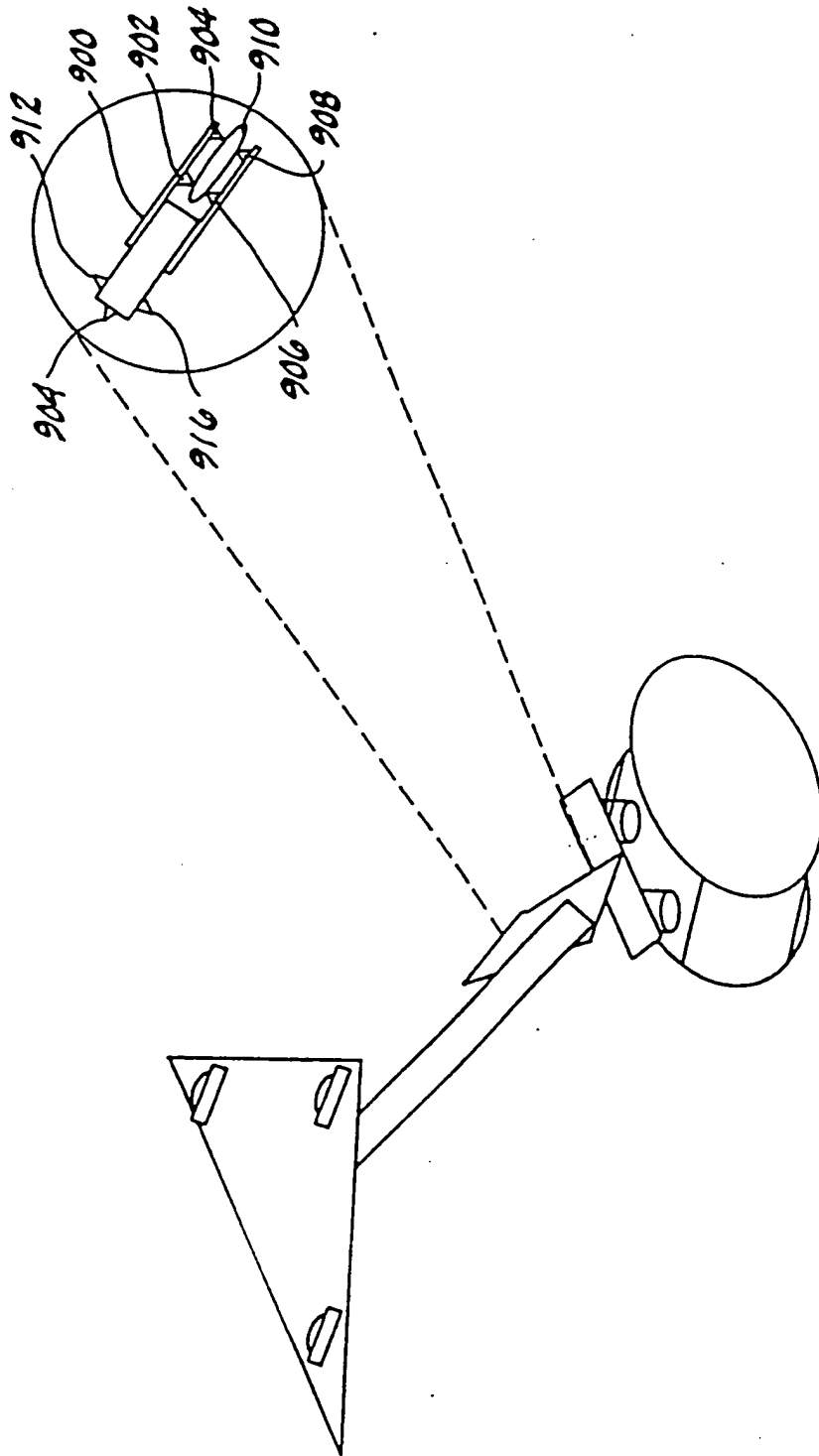


FIG. 10

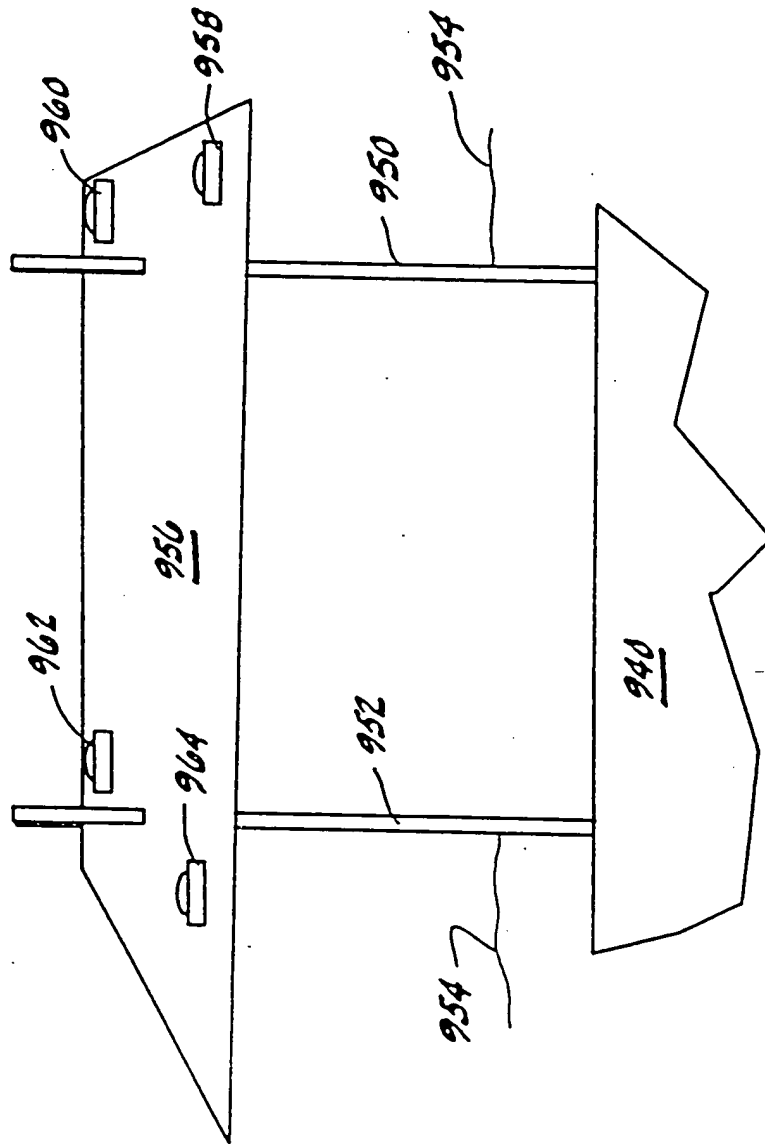


FIG. 11

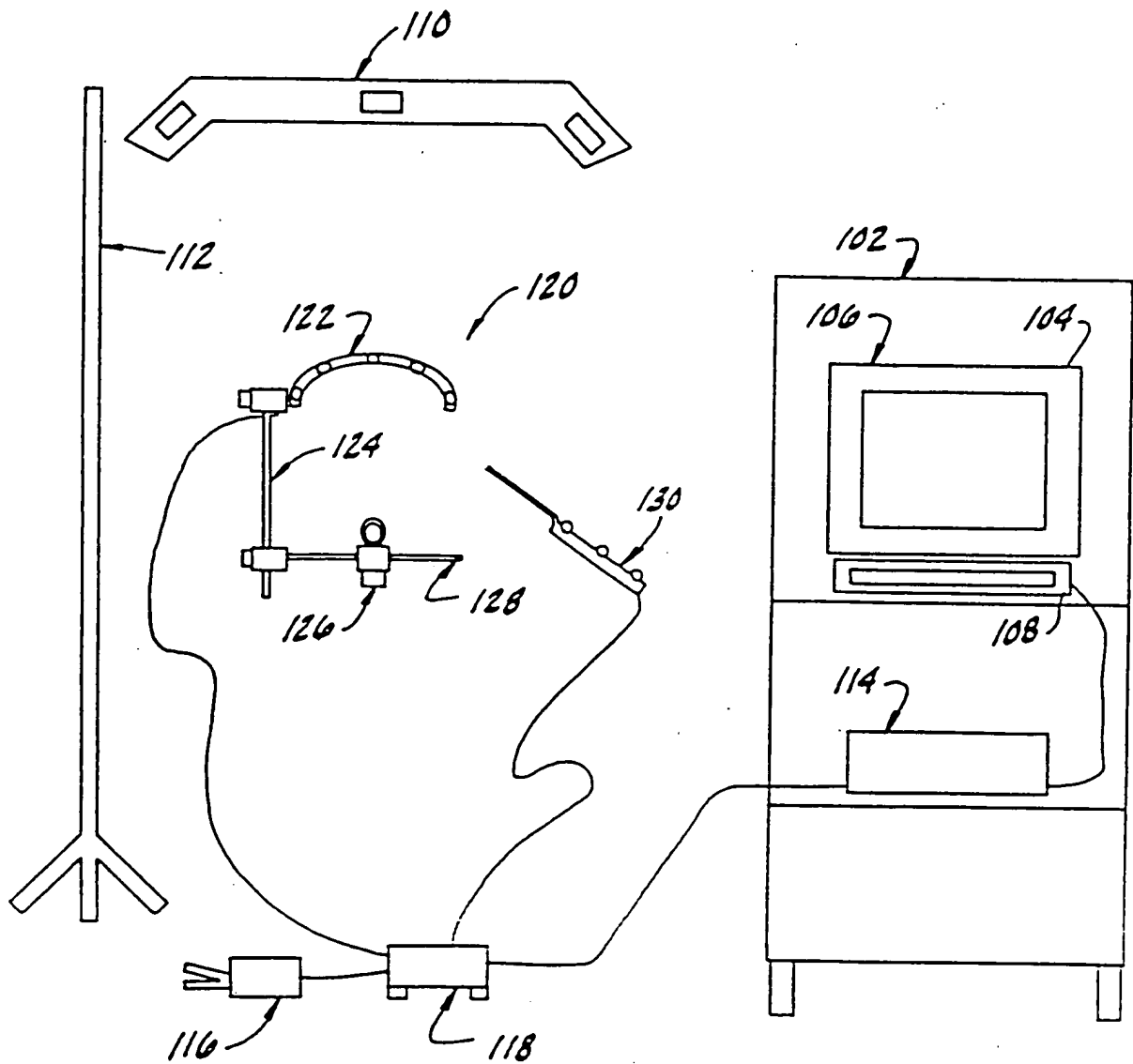


FIG. 11A

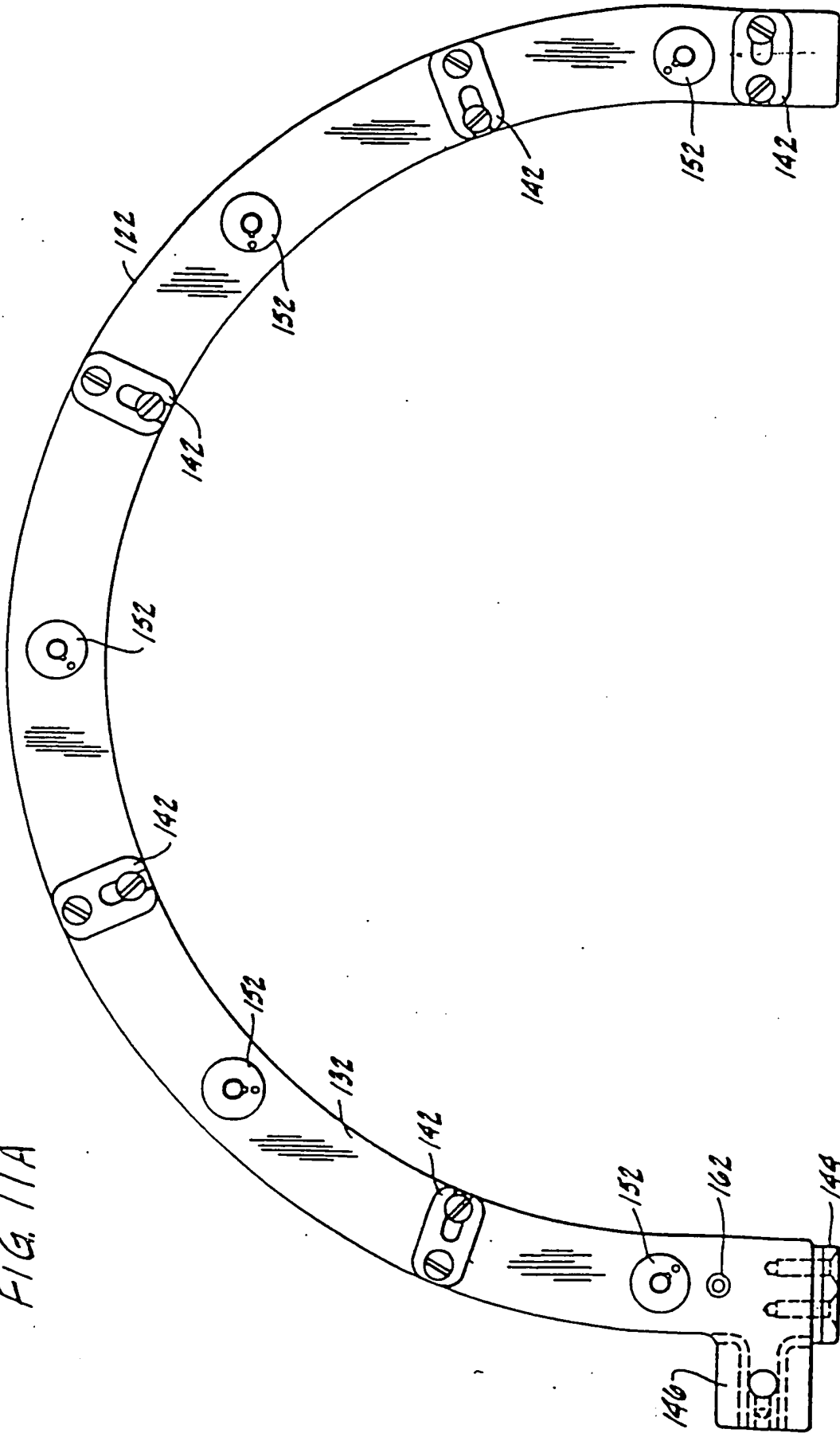


FIG. 11B

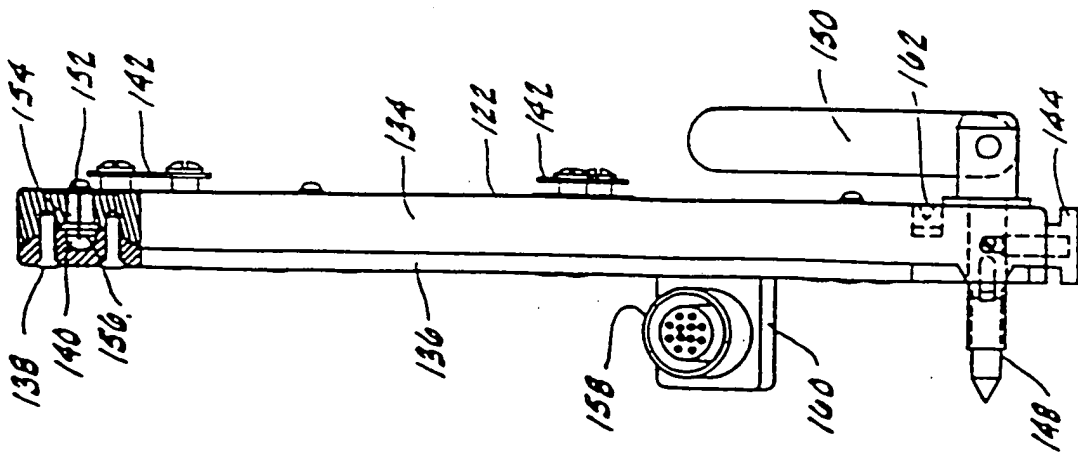


FIG. 11C

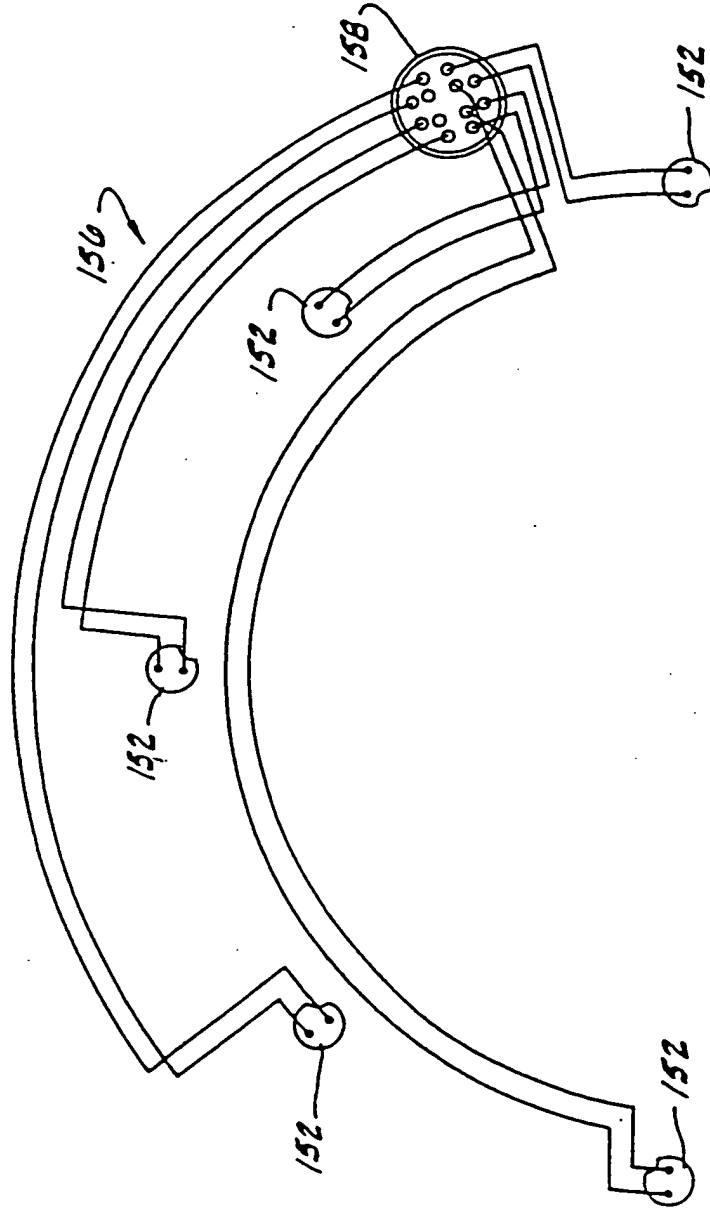


FIG. 11A

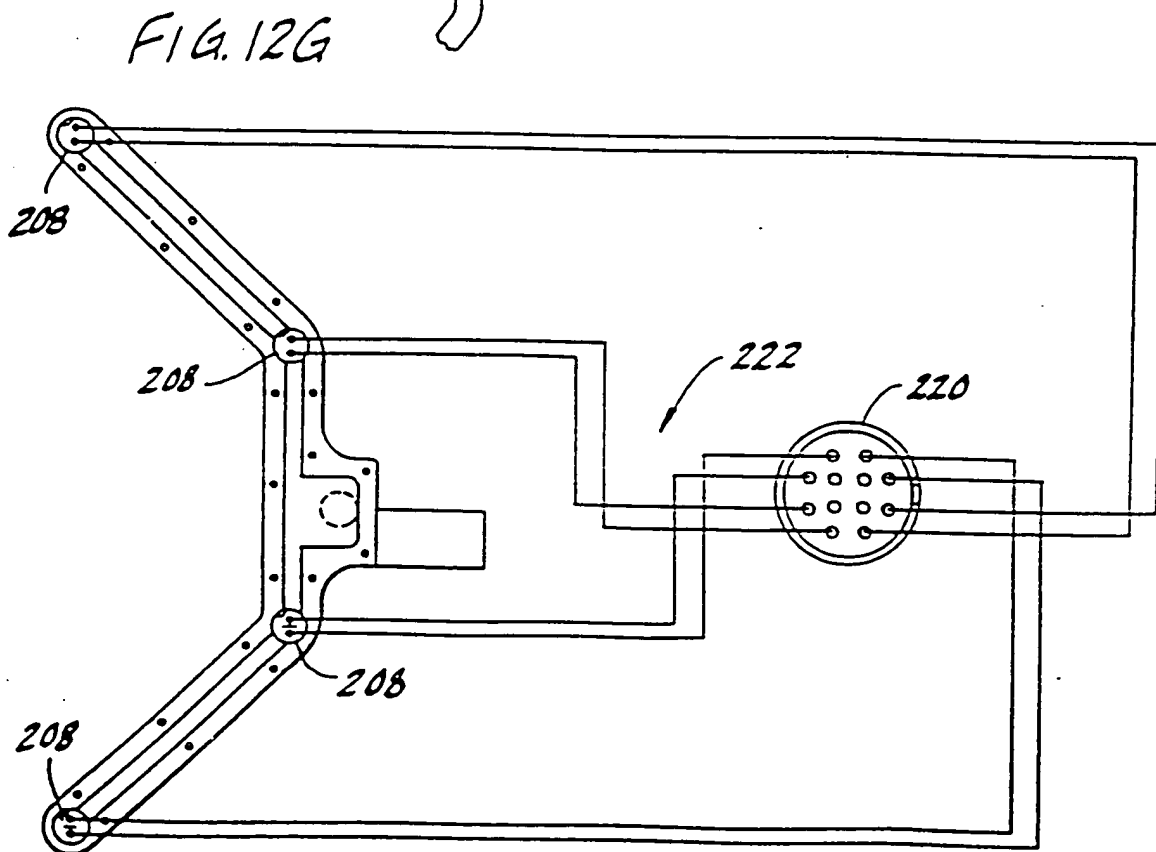
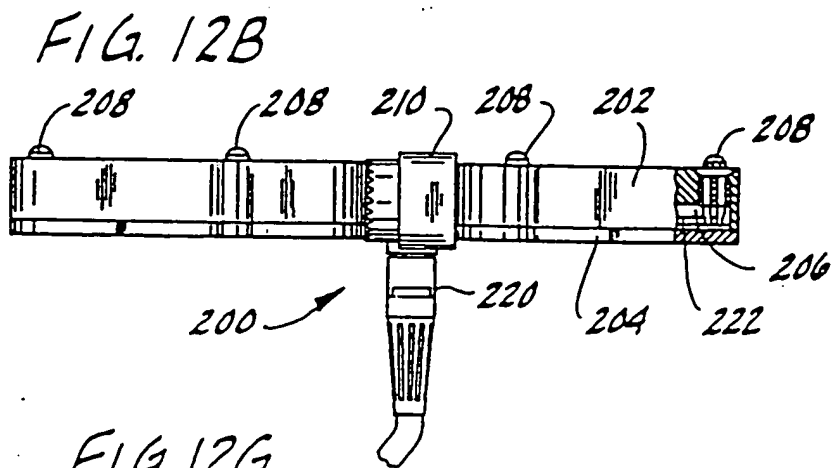
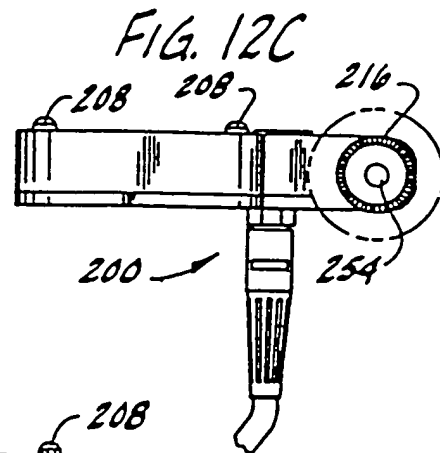
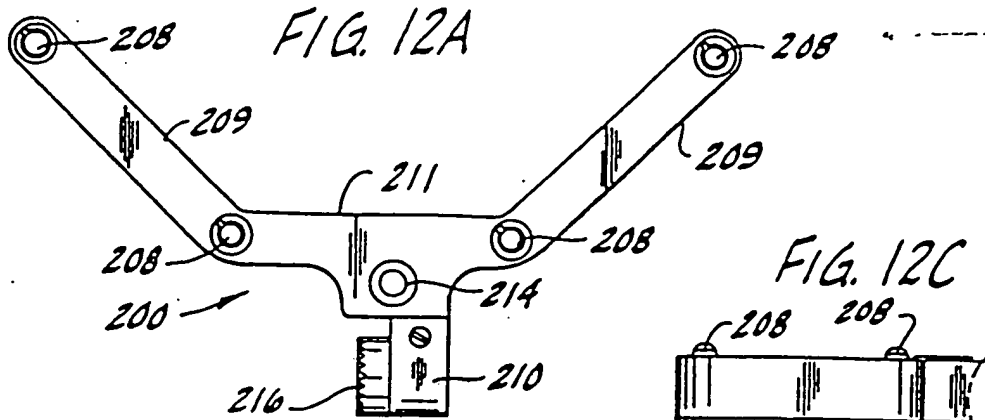


FIG. 12D

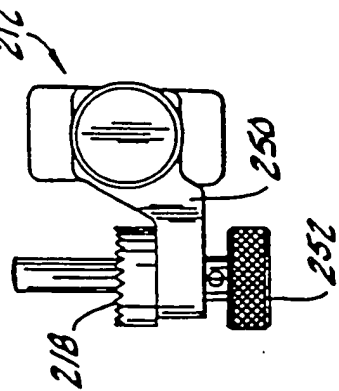


FIG. 12E

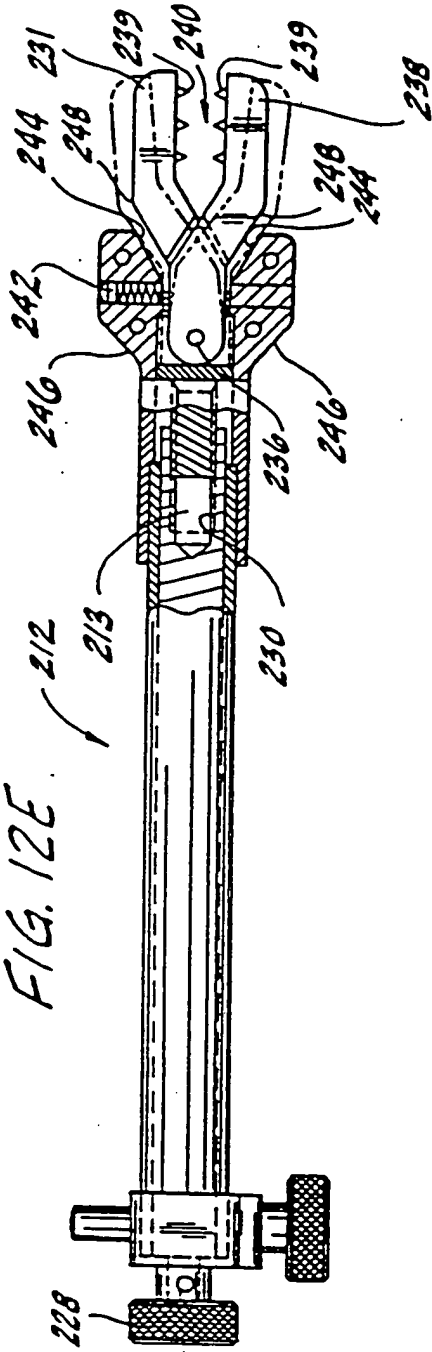


FIG. 12F

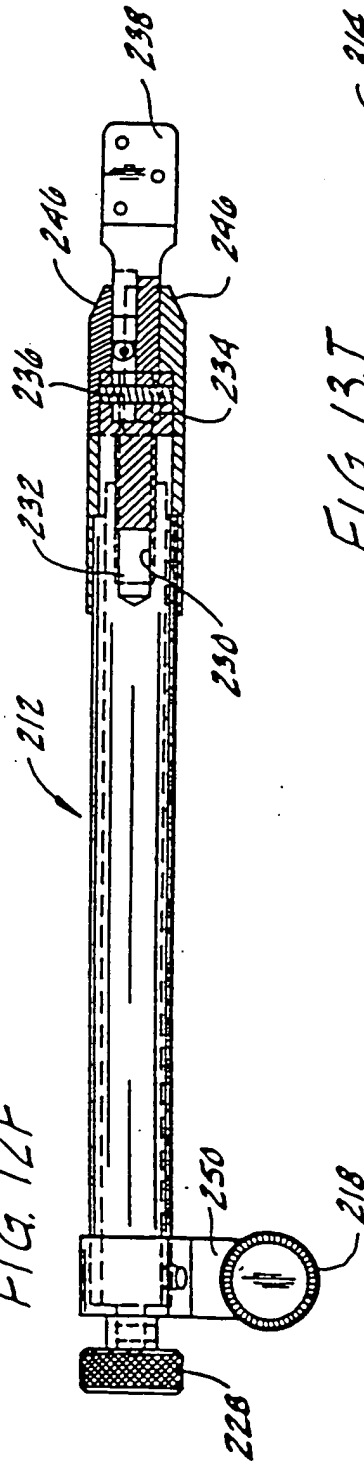


FIG. 13J

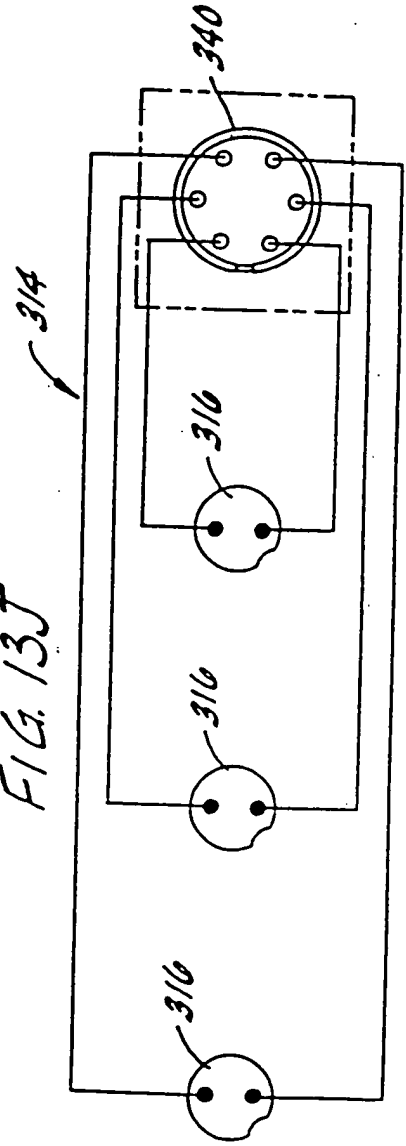




FIG. 13A

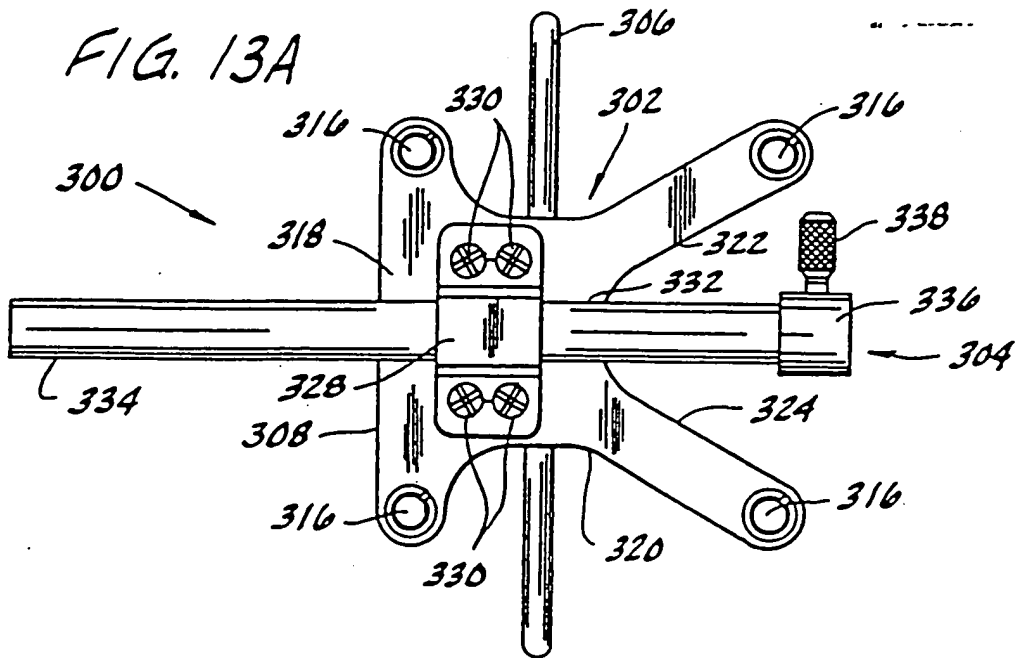


FIG. 13C

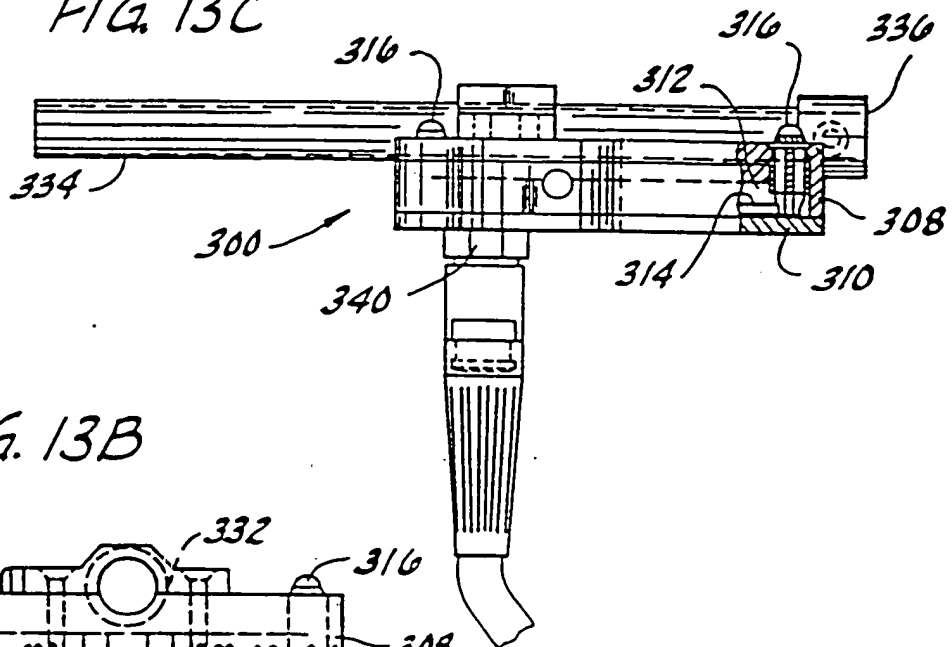
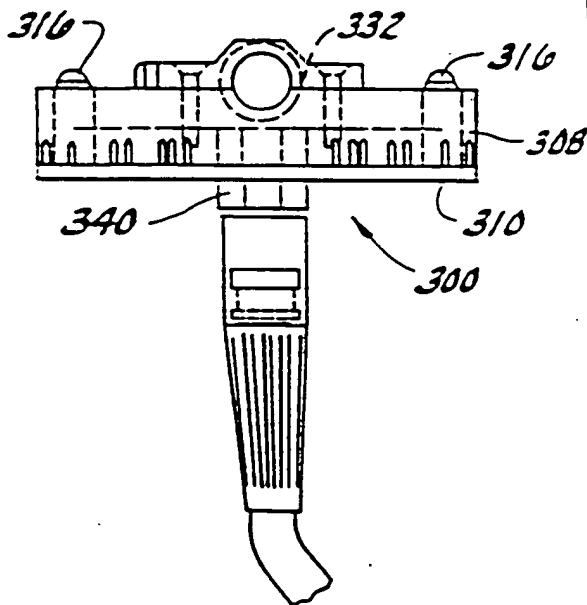


FIG. 13B





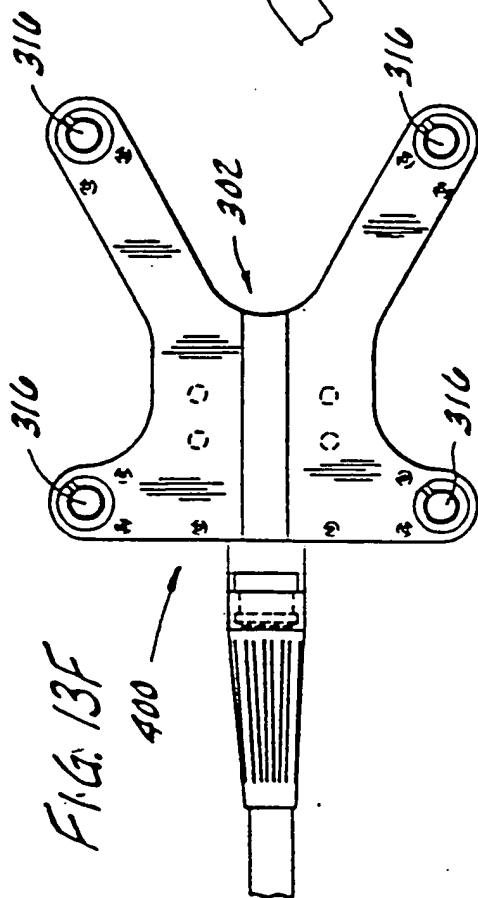


FIG. 13G

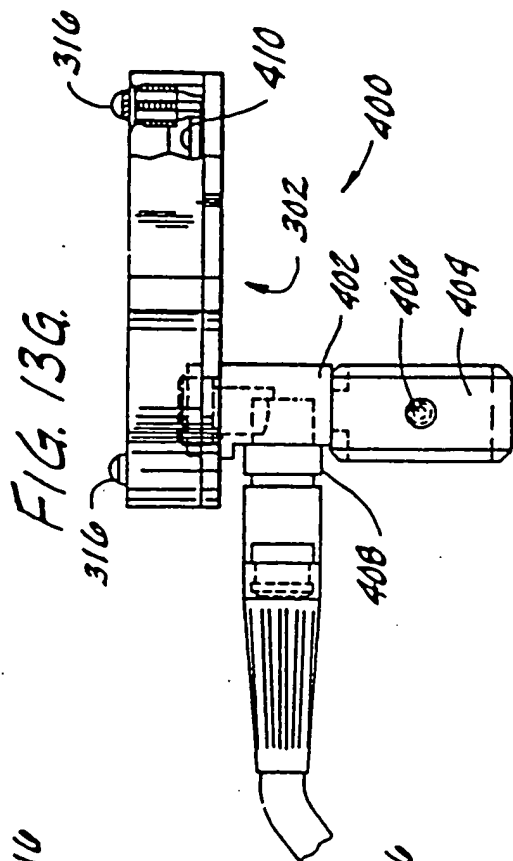


FIG. 13H

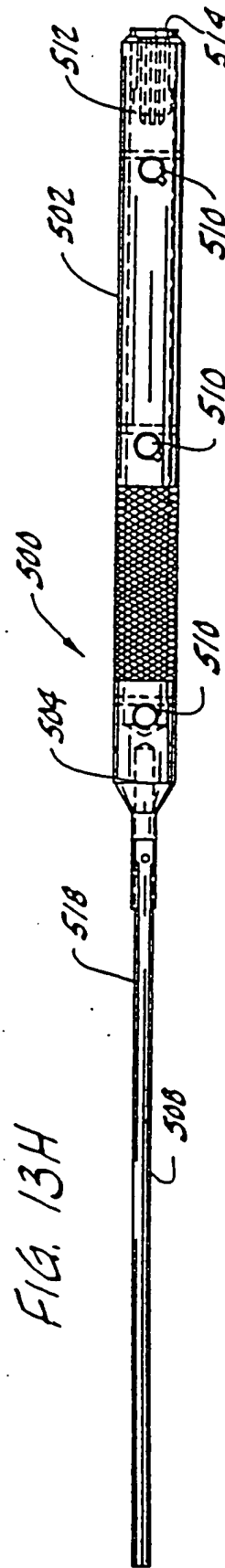


FIG. 13I

